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DLP120-24-1 SPECIFICATIONS

CA734-01-01D

This specifications sheet also apply to option model /E, /EJ

	ITEMS / MODE			DLP120-24-1
1	Nominal Output Voltage		V	24
2	Maximum Output Current		A	5
3	Maximum Output Power		W	120
4	Efficiency (100/230VAC) (Typ)	(* 1)	%	83/85
5	Input Voltage Range	(* 2)	–	85~132/170~265VAC (Auto selectable) / 47~63Hz
6	Input Current (100/230VAC) (Typ)	(* 1)	A	2.9/1.3
7	Inrush Current (100/230VAC) (Typ)	(* 3)	–	20A at 100VAC, 45A at 230VAC, Ta=25°C, Cold Start
8	PFHC		–	Built to meet IEC61000-3-2
9	Output Voltage Range		V	21.6~28
10	Maximum Ripple & Noise (* 4)	0≤Ta≤60°C	mV	240
		-10≤Ta<0°C	mV	360
11	Maximum Line Regulation	(* 4, 5)	mV	120
12	Maximum Load Regulation	(* 4, 6)	mV	192
13	Temperature Coefficient		–	Less than 0.05%/°C
14	Over Current Protection	(* 7)	A	5.3~
15	Over Voltage Protection	(* 8)	V	30.0~35.0
16	Hold-Up Time (100/230VAC)	(* 1)	–	20ms /30ms
17	Leakage current	(* 9)	–	Less than 0.75mA
18	Parallel Operation		–	-
19	Series Operation		–	Possible
20	Operating Temperature	(* 10)	–	- 10 ~ + 60 °C Convection: -10 ~ +50°C (100%); 60°C (60%)
21	Operating Humidity		–	30 ~ 90 %RH (No dewdrop)
22	Storage Temperature		–	- 30 ~ +85°C
23	Storage Humidity		–	10 ~ 95%RH (No dewdrop)
24	Cooling		–	Convection cooling
25	Withstand Voltage		–	Input - Output : 3.0kVAC, Input - FG : 2.0kVAC (20mA) for 1min Output - FG : 500VAC (100mA) for 1min.
26	Isolation Resistance		–	More than 100M Ω at Ta=25°C and 70%RH, Output - FG : 500VDC
27	Vibration		–	At no operating and with DIN RAIL, 10~55Hz (Sweep for 1min) 9.8m/s^2 Constant, X, Y, Z each 1hour
28	Shock (In package)		–	Less than 196m/s^2
29	Safety		–	Approved by UL62368-1,CSA62368-1,EN62368-1,UL60950-1, CSA60950-1, EN60950-1(Expire date of 60950-1:20/12/2020), UL508, CSA C22.2 No.14, EN60529 IP20, EN50178 CATEGORY III(Primary). Designed to meet DENAN.
30	EMI		–	Designed to meet VCCI-B, FCC-ClassB, EN55011/EN55032-B
31	Immunity		–	Built to meet IEC61000-6-2 (IEC61000-4-2,-3,-4,-5,-6,-8,-11)
32	Weight (Typ)		g	540
33	Size (W.H.D.)		mm	60x97x110 (Refer to Outline Drawing)

* Read instruction manual carefully , before using the power supply unit.

= NOTES=

* 1: At 100/230VAC and maximum output power, Ta = 25°C.
* 2 : For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100-120VAC/200-240VAC, 50 / 60Hz on name plate.
* 3 : Not applicable for the in-rush current to Noise Filter for less than 0.2ms.
* 4 : Please refer to Fig A for measurement of line & load regulation and output ripple voltage. (Measure with JEITA RC-9131 probe)
* 5 : 85-132VAC/170-265VAC, constant load.
* 6 : No load - Full load(Maximum power), constant input voltage.
* 7 : Constant current limit with automatic recovery. Avoid to operate at overload or dead short for more than 30seconds.
* 8 : OVP circuit will shutdown output, manual reset. (Re Power on)
* 9 : Measured by each measuring method of UL, CSA, EN and DENAN (at 60Hz).
*10: At standard mounting method, Fig B.
  - Load(%) is percent of maximum output load (Item2 and 3), do not exceed derating in both Maximum Output Current and Power.
  -For standard mounting, refer to derating curve (CA734-01-02_)

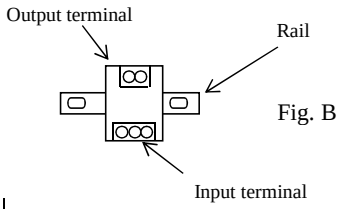


Fig. B

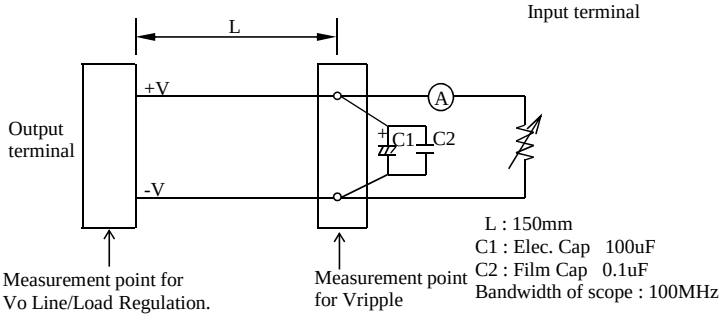


Fig. A

DLP120-24-1 OUTPUT DERATING

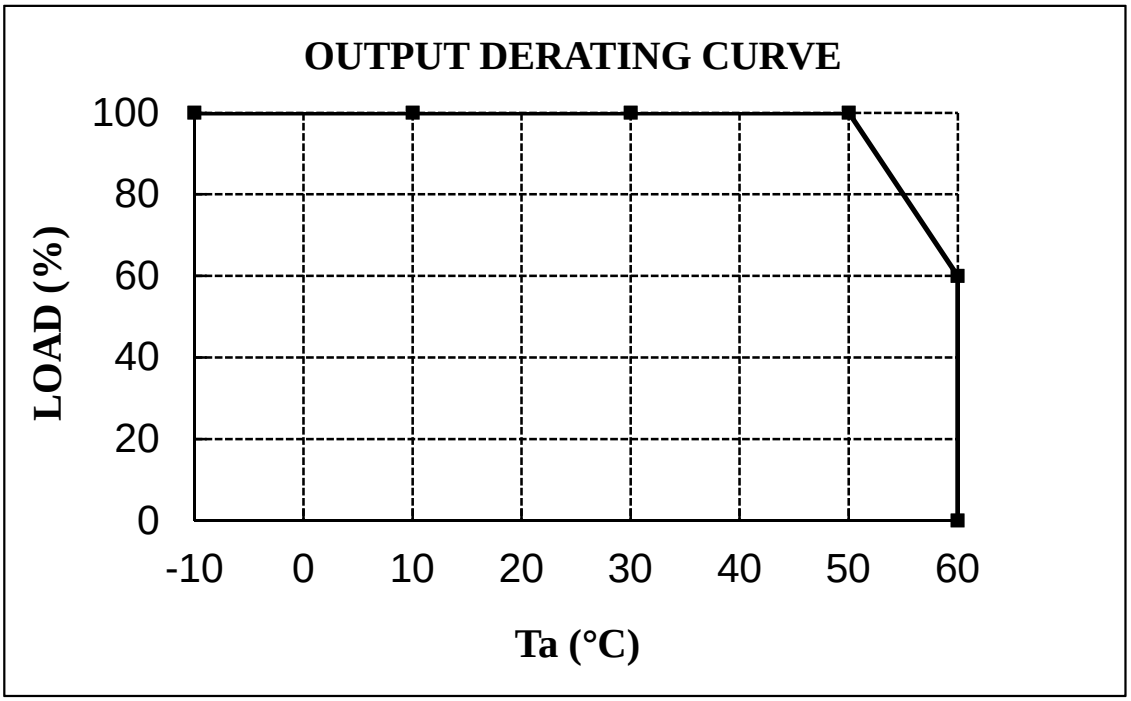
CA734-01-02

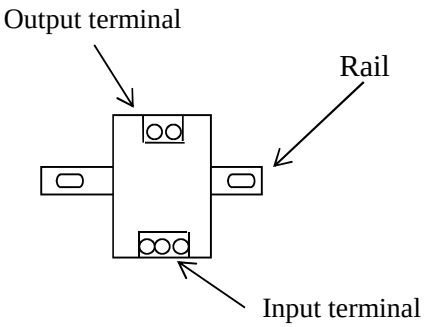
(This specifications sheet also apply to option model /E, /EJ)

DLP120-24-1

***COOLING: CONVECTION COOLING**

Ta(°C)	LOADING CONDITION(%)
	Standard Mounting
-10~50	100
60	60





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